



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010550  
CERTIFICATION DATE: January 28, 2014  
DATE RECERTIFICATION DUE: July 27, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

#### Estimation of Uncertainty of Measurement:

$0.020 \pm 0.004$ g/210 L	$0.150 \pm 0.007$ g/210 L
$0.080 \pm 0.004$ g/210 L	$0.250 \pm 0.007$ g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of  $k=3$ . The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

Timmy L. Neece, Jr.  
Forensic Scientist

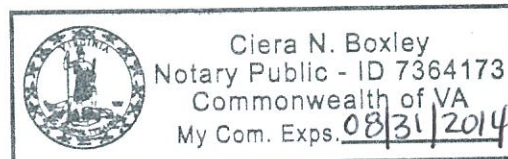
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 3<sup>rd</sup> day of February, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

*msk*



**Department of Forensic Science**  
**Breath Alcohol Section**  
**Instrument Maintenance History**  
**1/1/1990 To 1/28/2014**

*HMS*  
*TLN*

**Instrument Serial Number: 010550**

**As of 28-Jan-14**

<b>Maintenance Date</b>	<b>Certification Date</b>	<b>Technician Initials</b>	<b>Remarks</b>
28-Jan-14	28-Jan-14	HMS (18910)	MOVED INSTRUMENT TO NEW LOCATION WITHIN SAME FACILITY, CERTIFIED
25-Oct-13	19-Sep-13	HMS (18910)	REPLACED PRINTER.
19-Sep-13	19-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Apr-13	04-Apr-13	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED
18-Oct-12	18-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
02-May-12	02-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD, REPLACED PRINTER.
15-Nov-11	15-Nov-11	DBH (21250)	CERTIFIED
06-Jun-11	06-Jun-11	HMS (18910)	CERTIFIED
30-Dec-10	30-Dec-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
12-Jul-10	12-Jul-10	HMS (18910)	CALIBRATED AND CERTIFIED.
27-Jan-10	27-Jan-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
17-Aug-09	17-Aug-09	HMS (18910)	CALIBRATED AND CERTIFIED.
24-Mar-09	24-Mar-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
13-Nov-08	13-Nov-08	NMJ (22392)	CERTIFIED.
13-Oct-08	13-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HMS  
TLW

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010550 Worksheet Start Date 1/28/2014  
Location Charlotte County  
Address 222 Law Lane, Charlotte Court House, VA 23923  
DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 753 Reference Barometer (mm HG) 756  
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

### Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.299
0.300	0.297	0.288	0.305	Sample 2	0.299
Precision		sample min	sample max	Sample 3	0.299
0		0.299	0.299		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.099	0.096	0.102	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

Dry gas standard Lot No. (with tank no.) AG316301-18

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



### Notes:

Moved instrument to new location within same facility.

Instrument Serial Number

010550

Certification Date

1/28/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.250	0.248	0.240	0.255	0.247
Precision		sample min	sample max	Sample 2
0.001		0.246	0.247	0.246
				Sample 3
				0.247

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.150	0.148	0.143	0.152	0.148
Precision		sample min	sample max	Sample 2
0		0.148	0.148	0.148
				Sample 3
				0.148

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.080	0.079	0.076	0.082	0.079
Precision		sample min	sample max	Sample 2
0		0.079	0.079	0.079
				Sample 3
				0.079

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.020	0.020	0.017	0.023	0.019
Precision		sample min	sample max	Sample 2
0		0.019	0.019	0.019
				Sample 3
				0.019

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Heath W. Stath

Date

1/28/14

Issuing Analyst

[Signature]  
msk

Date

1/29/14



AMS  
TLN




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>01/28/2014</b>
TEST EQUIPMENT NUMBER <b>010550</b>		

RESULTS: TIME SAMPLE TAKEN 10:16 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 28 Jan 2014 at 15:11

HMS  
TLN

## Test Results

Instrument Serial Number 010550

Test # 000487 Subject Test

Test Location 1 Department of  
Test Date 28 Jan 2014

Test Location 2 Forensic Science  
Test Time 10:10  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial N  
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 28 Jan 2014 End Time 10:17

Result Time 10:16

Result Date 28 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:10

Data Type BLK

Sample Value 0.000

Sample Time 10:11

Data Type CHK

Sample Value 0.100

Sample Time 10:12

Data Type BLK

Sample Value 0.000

Sample Time 10:13

Data Type SUBJ

Sample Value 0.000

Sample Time 10:14

Data Type BLK

Sample Value 0.000

Sample Time 10:15

Data Type SUBJ

Sample Value 0.000

Sample Time 10:16

Data Type BLK

Sample Value 0.000

Sample Time 10:17

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG316301-18

Standard Expiration Date 06/12/2015

Tank Pressure 982

Barometric Pressure 753 mmHg

Blow Sample Number 1 Blow Duration 3.14 sec

Blow Volume 1784 cc End-of-Blow Time 10:14

Blow Sample Number 2 Blow Duration 3.17 sec

Blow Volume 1731 cc End-of-Blow Time 10:16

Tamper Evident Stamp 16a2148e

Test Status Code 0

Test Status Success

AMS  
TLN

# **Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 488

Test Date: 01/28/2014      Test Time: 10:18 EST

Dry Gas Target: 0.099

Lot Number: AG316301-18      Exp Date: 06/12/2015

Tank Pressure: 973 psi      Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:18
CHK	0.100	10:19
BLK	0.000	10:21
CHK	0.100	10:22
BLK	0.000	10:23
CHK	0.100	10:24

Test Status: *Success*

Calibration CRC: 95BC3BE2

Handwritten initials and a checkmark.

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 489

Test Date: 01/28/2014      Test Time: 10:26 EST

Dry Gas Target: 0.297

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 149 psi      Barometric Pressure: 753 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:26
CHK	0.302	10:27
BLK	0.000	10:29
CHK	0.301	10:30
BLK	0.000	10:32
CHK	0.301	10:32

Test Status: *Success*

Calibration CRC: 95BC3BE2



HLG  
TLV

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 490  
Test Date: 01/28/2014      Test Time: 11:18 EST

Technician Initials: HMS

Dry Gas Target: 0.248

Lot Number: 07713250I4-02      Exp Date: 05/01/2015

Tank Pressure: 845 psi      Barometric Pressure: 753 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:18
BLK	0.000	11:19
CHK	0.247	11:20
BLK	0.000	11:22
CHK	0.246	11:23
BLK	0.000	11:24
CHK	0.247	11:25
BLK	0.000	11:27

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

*tlw*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 491  
Test Date: 01/28/2014      Test Time: 11:29 EST

Technician Initials: *HMS*

Dry Gas Target: 0.148

Lot Number: 29512150I2-02      Exp Date: 11/01/2014

Tank Pressure: 218 psi      Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:29
BLK	0.000	11:30
CHK	0.148	11:30
BLK	0.000	11:32
CHK	0.148	11:33
BLK	0.000	11:35
CHK	0.148	11:35
BLK	0.000	11:37

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 492

Test Date: 01/28/2014      Test Time: 11:39 EST

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 07713080I2-04      Exp Date: 05/01/2015

Tank Pressure: 345 psi      Barometric Pressure: 752 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:39
BLK	0.000	11:40
CHK	0.079	11:40
BLK	0.000	11:42
CHK	0.079	11:43
BLK	0.000	11:44
CHK	0.079	11:45
BLK	0.000	11:46

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

*HMS*  
*YLV*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 493  
Test Date: 01/28/2014      Test Time: 11:47 EST

Technician Initials: *HMS*

Dry Gas Target: 0.020

Lot Number: 0771302011-04      Exp Date: 05/01/2015

Tank Pressure: 384 psi      Barometric Pressure: 752 mmHg  
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:48
BLK	0.000	11:48
CHK	0.019	11:49
BLK	0.000	11:51
CHK	0.019	11:51
BLK	0.000	11:53
CHK	0.019	11:53
BLK	0.000	11:55

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

*LMS*  
*TLN*

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 494

Test Date: 01/28/2014      Test Time: 11:57 EST

Dry Gas Target: 0.297

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 139 psi      Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:57
CHK	0.299	11:58
BLK	0.000	12:00
CHK	0.299	12:01
BLK	0.000	12:03
CHK	0.299	12:04

Test Status: *Success*

Calibration CRC: 95BC3BE2

LMS  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010550      Test Number: 495

Test Date: 01/28/2014      Test Time: 12:07 EST

Dry Gas Target: 0.099

Lot Number: AG316301-18      Exp Date: 06/12/2015

Tank Pressure: 928 psi      Barometric Pressure: 752 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:07
CHK	0.098	12:08
BLK	0.000	12:10
CHK	0.098	12:11
BLK	0.000	12:12
CHK	0.098	12:13

Test Status: *Success*

Calibration CRC: 95BC3BE2

hms  
TLW




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>01/28/2014</b>
TEST EQUIPMENT NUMBER <b>010550</b>		

RESULTS: TIME SAMPLE TAKEN 12:21 EST  
0.00  
SAMPLE'S ALCOHOL CONTENT \_\_\_\_\_ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE





# IntoxNet MIS Report

Report Generated 28 Jan 2014 at 15:13

Handwritten initials: KMS  
TLN

## Test Results

Instrument Serial Number 010550

Test # 000496

Subject Test

Test Location 1 Department of  
Test Date 28 Jan 2014

Test Location 2 Forensic Science  
Test Time 12:14  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 28 Jan 2014

End Time 12:22

Result Time 12:21

Result Date 28 Jan 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:15

Data Type BLK

Sample Value 0.000

Sample Time 12:15

Data Type CHK

Sample Value 0.098

Sample Time 12:16

Data Type BLK

Sample Value 0.000

Sample Time 12:18

Data Type SUBJ

Sample Value 0.000

Sample Time 12:18

Data Type BLK

Sample Value 0.000

Sample Time 12:19

Data Type SUBJ

Sample Value 0.000

Sample Time 12:21

Data Type BLK

Sample Value 0.000

Sample Time 12:22

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG316301-18

Standard Expiration Date 06/12/2015

Tank Pressure 914

Barometric Pressure 752 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1694 cc End-of-Blow Time 12:18

Blow Sample Number 2 Blow Duration 3.50 sec

Blow Volume 1738 cc End-of-Blow Time 12:21

Tamper Evident Stamp 62dc1aab

Test Status Code 0

Test Status Success